

Work Order ID 144366

April 13, 2016 3:44:59 PM

144366

Page 1

Item ID: D2512 Accept ***N900040100*** Setup Start ***NS1***
 Revision ID: Stop ***NS2***
 Item Name: Basket Lid
 Start Date: 5/19/2016 Start Qty: 1.00 ***1*** Cust Item ID:
 Required Date: 5/26/2016 Req'd Qty: 1.00 ***1*** Customer:
 Reference:

Approvals: Process Plan: SLT Date: 201604 Tooling: _____ Date: _____ Run Start ***NR1***
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr	Revision Nbr
D2512	G

100 Weld per dwg A/R S.S. rod Batch: M/326/3 0.00
 Large Fab
100
 Large Fab Memo 3.29
 Large Fab 1- Weld ribs as per Dwg D2512 using Welding Jig DT 9436
 INSTALL D2012-117 CLEVIS ONLY ON D130-701-XXX
 2- WELD MESH AND REMOVE SECTIONS OF MESH WHERE
 INDICATED AS PER DWG

16.06.01

110 QC9- Inspect visual per QSI004- Fusion Welds 0.00
110
 QC Memo 0.00
 Quality Control

16.06.02 DAS 9 9.29

DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
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120	QC6- Inspect dimensions to drawing	0.00							
120	QC5 ^{DAS}								
QC	9 Memo	0.00							
Quality Control	9-89								^{DAS} 9 9-89
125	Pressure Wash per QSI005 4.3	0.00							
125									
HandFinish	Memo	0.44							
Hand Finishing									^{DAS} 34 9-89

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WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

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Work Order: <u>144366</u> Part No. <u>02512</u> NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐																																																	
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Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130	White Gloss(Ref:4.3.5.1) per QSI005 4.3-Alum	0.00							
130	<i>m 134631</i>					<i>1</i>	<i>0</i>	<i>16-06-2</i>	<i>33</i>
Powdercoat	Memo	0.43							
Powder Coating	1- Plug all holes prior to Powdercoat								
	1ST COAT: <i>2:20</i>								
	START TIME: <i>2:20</i>								
	OVEN TEMPERATURE: <i>400°</i>								
	FINISH TIME: <i>2:50</i>								
	2ND COAT:								
	START TIME: _____								
	OVEN TEMPERATURE: _____								
	FINISH TIME: _____								
140		0.00							
140	HandFinishing								
HandFinish	Memo	1.72							
Hand Finishing	Wing Walk and Spray Paint black as per Dwg D2512 and QSI 005 4.4								
	Batch: <i>1134197</i>								
						<i>1</i>	<i>2</i>	<i>16/06/07</i>	

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150	QC3- Inspect Part Finish	0.00							
150									DAS
QC	Memo	0.01							9
Quality Control									9-89
160	Identify as per dwg & Stock Location: <u>wc</u>	0.00							
160									
Packaging	Memo	0.01							
Packaging									
170	QC21- Final Inspection - Work Order Release	0.00							
170									
QC	Memo	0.10							
Quality Control									

MCS JUN 06 2016

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April 13, 2016 | 3:44:58 PM

144366

D2512

Required Date: 5/26/2016

Required Qty: 1.00

Comments: Rev IPP:M03.01.31 AddedD2012-117forD130-701-041KJ/RF
IPP Rev:N 06.04.05 Added level21 EC
IPP REV:O ADDED D3490-1/-3 FOR D130-701-011/-043 10-04-20 JLM
VERIFIED BY:DD
IPP Rev:P 08-08-29 revE as per dwg DD verified by:EC
IPP Rev:Q 08-09-24 plug holes prior to powder coating DD verified
by:EC IPP Rev:R
10.06.29 added pressure wash DD verf:EC IPP REV:S 12.07.27 AS
PER DWG REV.F DD VERF:EC IPP REV:T 12.08.08 AS PER DWG
REV.G DD VERF:EC

[illegible]

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QS1042) Approval	
Description Work Order Deviation		Disposition			
				Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : ☐					

Picklist Print

April 13, 2016 3:44:59 PM

Page 2

Work Order ID: 144366

144366

Parent Item: D2512

D2512

Parent Item Name: Basket Lid

Start Date: 5/19/2016

Required Date: 5/26/2016

Start Qty: 1.00

Required Qty: 1.00

D2506

Manufactured No

100

Each

12.0000

1

1

D2506

Label Plate

**

16.05.30

Location

Loc Qty

Loc Code

WA004

12

103156

1

137315

10

99826

1

D2512-3

Manufactured No

100

Each

0.0000

2

2

D2512-3

Rib

B144134

**

16.05.30

D2512-5

Manufactured No

100

Each

0.0000

6

6

D2512-5

Rib

B144232

**

16.05.30

D2512-7

Manufactured No

100

Each

0.0000

3

3

D2512-7

Rib

B144135

**

16.05.30

D2581

Manufactured No

100

Each

84.0000

2

2

D2581

Mounting Bracket

**

16.05.30

Location

Loc Qty

Loc Code

WA004

84

132771

1

136270

2

139082

13

141097

20

142787

48

D3825-043

Manufactured No

100

Each

0.0000

2

2

D3825-043

Rib Assembly (Basket End, Lid)

B144367

**

16.05.30

April 13, 2016 3:44:59 PM

Shop Packet Print

Page 2

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td></td> </tr> </table>				Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐																																																	
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April 13, 2016 3:44:59 PM

Page 3

Work Order ID: 144366

144366

Parent Item: D2512

D2512

Parent Item Name: Basket Lid

Start Date: 5/19/2016

Required Date: 5/26/2016

Start Qty: 1.00

Required Qty: 1.00

D3832-13

Manufactured No

100

Each

0.0000

1 1

✓ ***D3832-13***

Mesh (Lid)

D3833-7

Manufactured No

100

Each

4.0000

2 2

✓ ***D3833-7***

Mesh (Lid End)

****B 144373 → ① 16.05.31**

**** 16.05.31**

Location

Loc Qty

Loc Code

WA004

4

132738

2

136688

2

146483

②

April 13, 2016 3:44:59 PM

Shop Packet Print

Page 3

DQA: _____ Date: _____

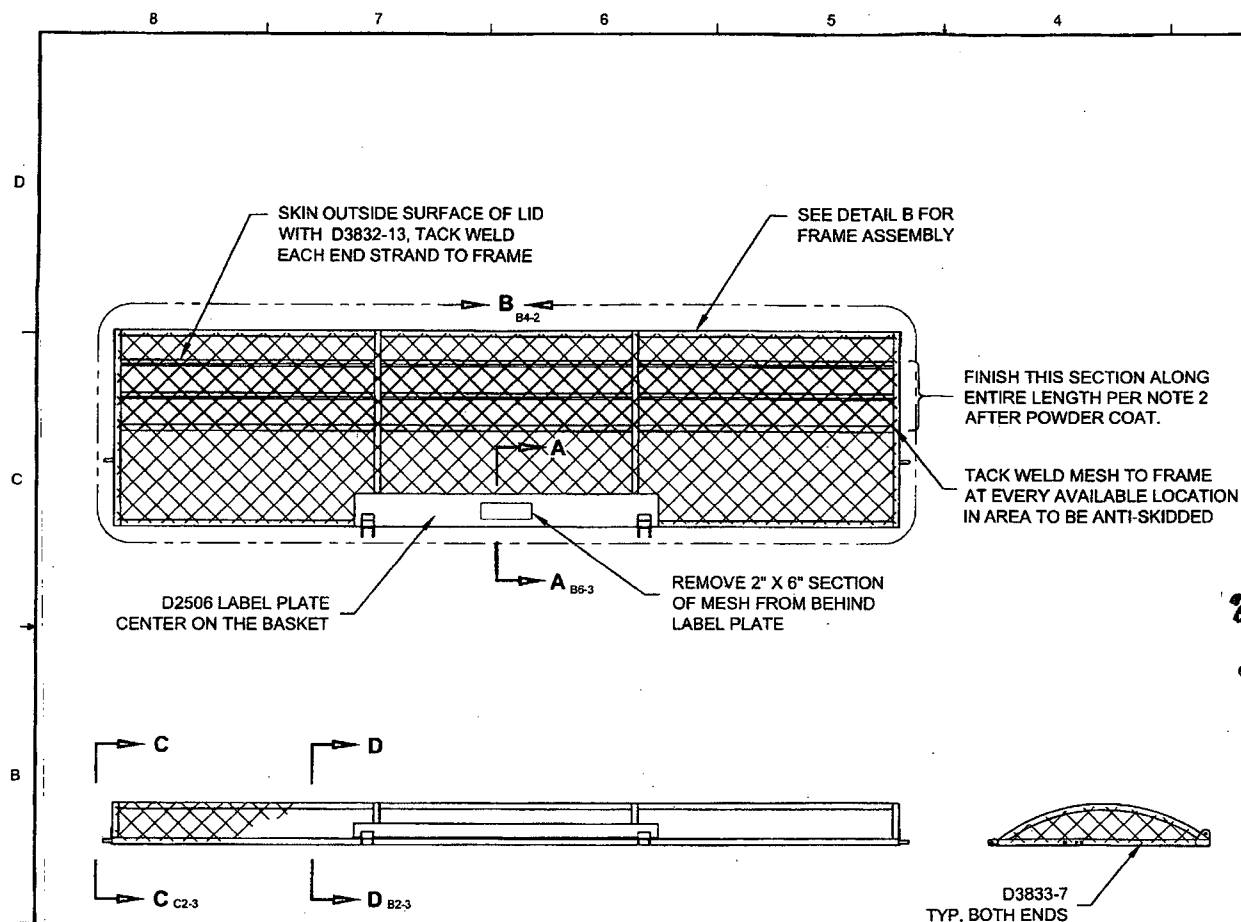


WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐							
		OTHER : ☐							



D2512 BASKET LID ASSEMBLY NOTES:

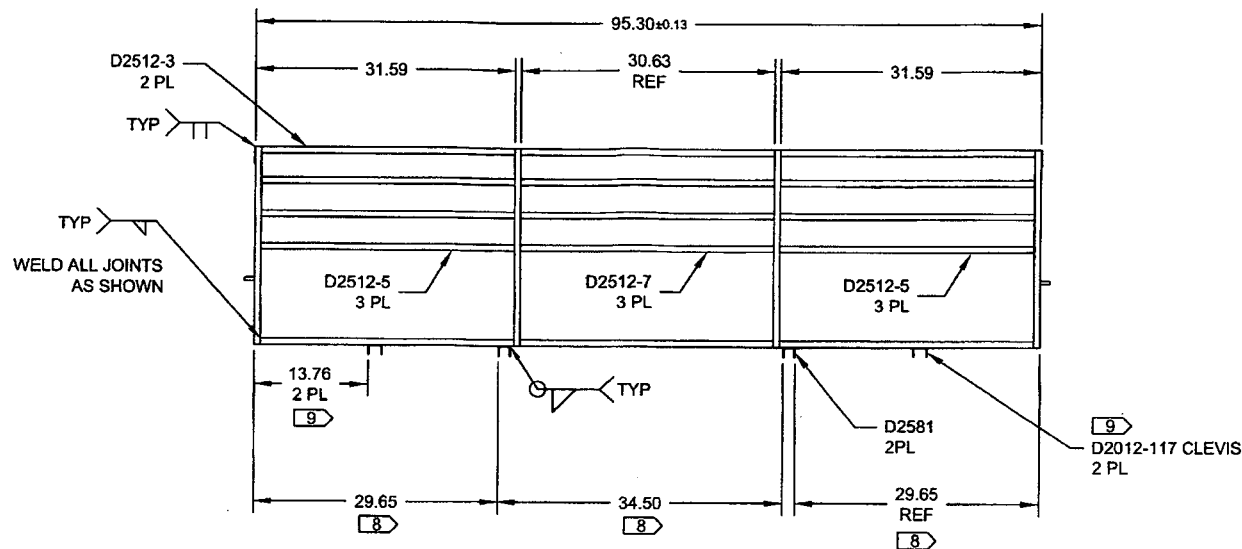
- 1) MATERIAL: N/A
- 2) FINISH: POWDER COAT ENTIRE ASSEMBLY WHITE (4.3.5.2) PER DART QSI 005 4.3
AFTER POWDER COAT, SPRAY PAINT BLACK INSIDE SURFACE AND
APPLY BLACK ANTI-SKID TO OUTSIDE SURFACES PER DART QSI 005 4.4
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: N/A
- 8) WELD PER DART QSI 004

QTY	PART NUMBER	DESCRIPTION
X	D2512	BASKET LID ASSEMBLY
2	D2512-3	RIB
6	D2512-5	RIB
3	D2512-7	RIB
2	D2232-1	HINGE PLATE
4	D2236	RIB
1	D2506	LABEL PLATE
2	D2581	MOUNTING BRACKET
2	D3825-043	RIB ASSY (BASKET END, LID)
1	D3832-13	MESH (LID)
2	D3833-7	MESH, LID END

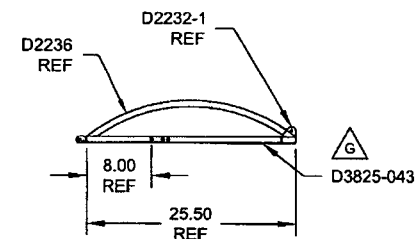
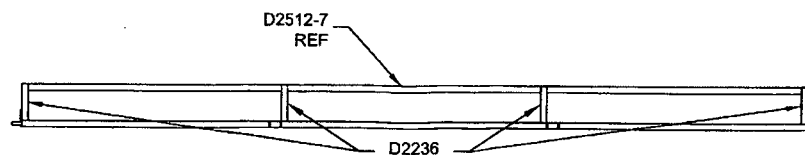
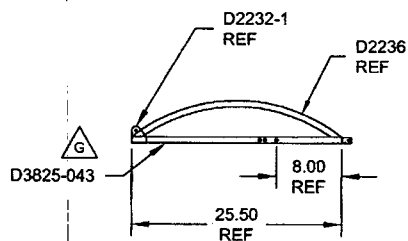
20160413
SH 144366

RELEASED
2012-08-03

G	CORRECTED TYPO: D3825-043 WAS D3825-041 (ZN D3-1, B8-2, B1-2)	MB	12.07.26
F	GENERAL REVISION: REFORMATED DWG; DELETED DETAIL E AND RELATED NOTES IN VIEW C-C. REASON: PAR10-50.	MB	12.05.11
E	INCORPORATED D1 & D2. MATERIAL FOR -1, -3, -5, & -7 WAS 0.060 WALL. SHT 3 ZN C4 TOLERANCE REMOVED FROM 95.30 DIM. DRAWING TRANSFERRED TO "B" FORMAT AND UPADTED TO CURRENT STANDARDS. SHT 3 VIEWS INVERTED FOR CLARITY. SHT 2 MESH MATERIAL CALLOUT UPDATED.	AJS	08.06.17
D	CHANGE HINGE	CP	01.04.19
C	REMOVE DOUBLE SKIN SECTION, ADDED MEMBERS, INCORP DEO 9074	DS	99.07.06
B	ADDED LATCH CHANNEL & LABEL PLATE	BW	96.05.24
A	NEW ISSUE	BW	95.11.21
REV.	DESCRIPTION	BY	DATE
DESIGN	BW	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN			
CHECKED	ASS		
MFG. APPR.			
APPROVED			
DE APPR.		DART AEROSPACE LTD BASKET LID ASSEMBLY (350/212)	
DATE	12.07.26	REV. G SHEET 1 OF 4 SCALE NTS	



DETAIL B D6-1
FRAMEWORK ONLY SHOWN FOR CLARITY

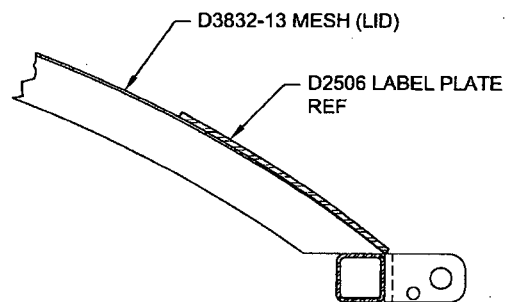


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2012-00-03
AM

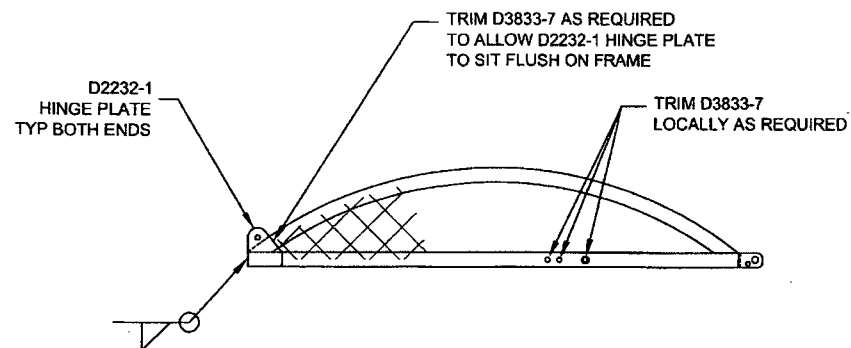
NOTES:

- 1) MATERIAL: NONE
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: N/A
- 8) LOCATE IN CONJUNCTION WITH ADJACENT D2581 ON BASKET BASE ASSEMBLY
- 9) FOR D130-701-041 ONLY

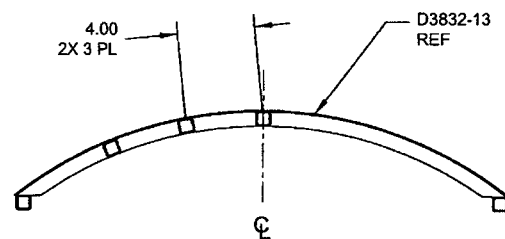
DESIGN	BW	DART AEROSPACE LTD	
DRAWN	AS	HAWKESBURY, ONTARIO, CANADA	
CHECKED	AS	DRAWING NO.	REV. G
MFG. APPR.	AS	D2512	SHEET 2 OF 4
APPROVED	AM	TITLE	SCALE
DE APPR.	AM	BASKET LID ASSEMBLY (350/212) NTS	
DATE	12.07.26	COPYRIGHT © 1995 BY DART AEROSPACE LTD	
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SECTION A-A
(ROTATED 90° CCW) C6-1



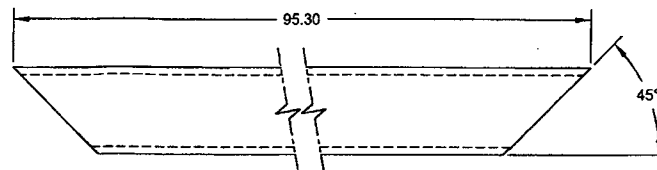
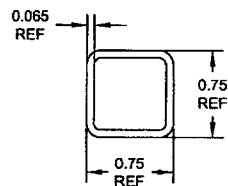
VIEW C-C SIMILAR BOTH END RIBS B8-1



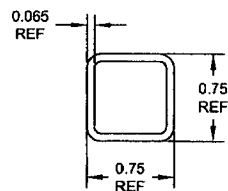
SECTION D-D SAME BOTH CENTER RIBS B7-1

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2012-08-03
MP

DESIGN	BW	DART AEROSPACE LTD	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED	ASS	DRAWING NO.	REV. C
MFG. APPR.	<i>[Signature]</i>	D2512	SHEET 3 OF 4
APPROVED	<i>[Signature]</i>	TITLE	SCALE
DE APPR.	<i>[Signature]</i>	BASKET LID ASSEMBLY (350/212)	NTS
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D2512-3 RIB



D2512-X RIB

DART PART NUMBER	L
D2512-5	30.84
D2512-7	30.63

RELEASED
2012-08-03

D2512-5/-7 NOTES:

- 1) MATERIAL: AISI 304/316 SEAMLESS STAINLESS STEEL SQUARE TUBING
PER ASTM A554/A269 MILL FINISH, 0.75 X 0.75 X 0.065 WALL
REF. DART SPEC M304TS0.750W.065
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: N/A

DESIGN	BW	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	R		
CHECKED	ASS	DRAWING NO.	REV. G
MFG. APPR.	Red	D2512	SHEET 4 OF 4
APPROVED	ANT	TITLE	SCALE
DE APPR.	SK	BASKET LID ASSEMBLY (350/212)	NTS
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